SHARP®

COLOR TELEVISION
LINYTRON

Model
20RV619

OPERATION MANUAL

Welcome to the SHARP Family. We are pleased that you are now the owner of a SHARP Color Television — built for outstanding quality, reliability and performance.
Every SHARP Color Television set is properly tuned and adjusted for a proper color picture and sound, and has passed through the most stringent quality control tests at the factory. We have prepared this OPERATION MANUAL so that you may adjust the picture and color to your personal viewing preference.
We sincerely hope that you will receive the utmost satisfaction and enjoyment from your new SHARP Color Television set for years to come.
Please read these instructions carefully, and keep them handy for your future reference.

IMPORTANT
For your assistance in reporting this color television in case of loss or theft, please record at right the Model Number and Serial Number located on the rear of the television and retain this information.

Model No.:

Serial No.:

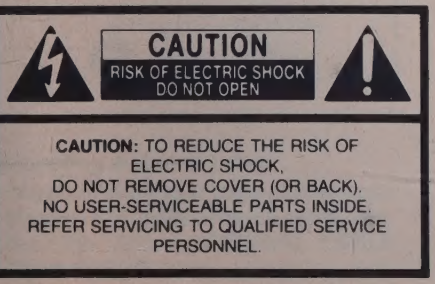
Important Information

There are two important reasons for prompt warranty registration of your new SHARP television set, using the REGISTRATION CARD packed in with the set.

FIRST — WARRANTY
This is to assure that you immediately receive the full consumer benefit of the parts, service and labor warranty applicable to your purchase.

SECOND — CONSUMER PRODUCT SAFETY ACT
To assure that you will promptly receive any safety notification on inspection, modification, or recall that SHARP may be required to give under the 1972 Consumer Product Safety Act. PLEASE READ CAREFULLY THE IMPORTANT "LIMITED WARRANTY" CLAUSE ON THE LAST PAGE.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO WET LOCATIONS.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead within a triangle is intended to tell the user that parts inside the product are risk of electric shock to persons.

The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

Outstanding Features

- **Flat, Square Tinted High Contrast Picture Tube**

  Flat-faced and square-cornered picture tube reduces distortion. The design also drastically reduces reflection from overhead lights and other light sources. The square-cornered design also increase the tube's effective viewing area around the corner. These features combine to provide you with a beautiful, easily viewed picture.

- **209 Channel Cable-Compatible Tuner**

  This tuner eliminates the need for external channel selection and provides direct tuning of 82 regular VHF/UHF channels plus an additional 127 unscrambled cable channels. (A converter may be necessary to view scrambled CATV channels.)

- **Phase-Locked Loop Quartz Synthesized Electronic Tuning**

  This tuning system assures ultra-precise channel selection.

- **On Screen Digital Display**
- **30-Key Full Function Infrared Remote Control**
- **Video/Audio Input Jacks**

  These Video/Audio Input Jacks provide for direct video/audio inputs from a VCR, a video disc player, a video game, etc., without the loss of picture quality found with RF converter signal conversion systems used by conventional TVs.

- **AC Outlet**

  Built-in unswitched AC Outlet is available for supplying power to other audio-video equipment.

- **FAVORITE CHANNEL Function**

  If you have your favorite channels memorized in the 4 positions A-D, channels can be directly selected just by pressing the A-D buttons instead of the more roundabout method of using the RANDOM ACCESS BUTTONS or the CHANNEL UP/DOWN BUTTONS.

- **AUTO SEARCH CHANNEL MEMORY**

  Automatically presets active channels into the memory.

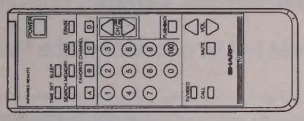
- **Channel FLASHBACK**

  This function permits instant alternate viewing of two previously selected channels.

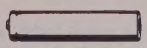
- **Sleep Timer**

  For convenient evening viewing, the Sleep Timer automatically shuts off set in pre-selected periods of up to 120 minutes. This Timer can be set at 30, 60, 90 or 120 minute intervals.

Supplied Accessories



Infrared Remote Control



Size AAA
Dry Batteries
(2 pcs.)

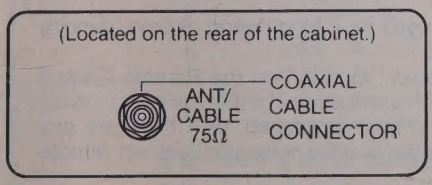
Before Operating Your Television

Location

- For normal operation, your TV should be located in an area of the room where cool adequate ventilation is provided. Do not place the back of the television set in a place where free airflow will be restricted.
- Any magnetic force may disturb the color picture. Make sure that magnets, electric clocks, toys using magnets or any other magnetic substance, such as iron are kept well away from this TV set.

Antennas

- The antenna requirements for good color television reception are more important than those for black & white television reception. For this reason, a good quality outdoor antenna is strongly recommended. Only one antenna (indoor or outdoor) should be connected to antenna terminal located on the rear of the cabinet.



Connecting Antenna Lead

- When connecting a round 75 ohm combination VHF/UHF antenna cable, connect the cable to COAXIAL CABLE CONNECTOR.
- When connecting flat 300 ohm combination VHF/UHF antenna leads or separate VHF/UHF antenna cable, use an appropriate antenna adaptor or combiner to connect the leads or cable to your set's COAXIAL CABLE CONNECTOR. Consult your SHARP Dealer or Service Center for the type of antenna adaptor or combiner that might be required.

Connecting the CATV Coaxial Cable

Your TV set has provision for a Cable Television (CATV) hookup. The 75 ohm coaxial cable connector is built into the set for easy hookup. When connecting the 75 ohm coaxial cable to the set, screw the 75 ohm cable to the COAXIAL CABLE CONNECTOR. This connector can be used for Cable TV (CATV), Master Antenna TV (MATV) or the 75 ohm antenna cable.

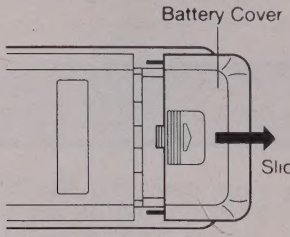
"Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Article 820-22 of the National Electrical Code that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."

Remote Control Battery Installation

■ **Before using the television, prepare the Remote Control**

To activate the Remote Control, batteries must first be inserted into the Remote Control.

Insert the batteries.



- Remove the back cover as shown and insert the two batteries (size "AAA") making sure the polarity is as indicated by the (+) and (−) marks inside the battery compartment.

■ **Handle the Remote Control with care**

The Remote Control is a precision component; be careful not to drop it or knock it about. In addition, do not expose it to water or high humidity or place it too close to a heating element. Improper handling may result in malfunctions.

■ **Notes concerning the batteries**

Proper handling of the batteries can prevent battery leakage, please pay careful attention to the following points.

1. Be sure the batteries are inserted in the direction indicated by the plus (+) and minus (−) marks inside the battery compartment.
2. Do not use a new battery together with an old one.
3. Do not mix two different types of batteries; even if two batteries are the same size and shape, the voltages may be different.

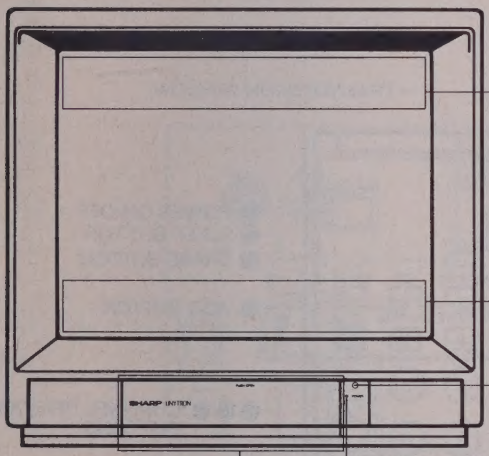
■ **Notes concerning Remote Control Operation**

1. Aim the Remote Control at the sensor on the front of the television. The Remote Control may not function properly if it is operated at a sharp angle from the television.
2. When the operation of the Remote Control becomes weak, or it does not operate, replace the batteries before any repairs are attempted. DRY BATTERY SIZE "AAA" or "UM-4" 1.5 Volts.
3. When the Remote Control will not be used for a long period of time, remove the batteries from the Remote Control.
4. Occasionally wipe clean the transmission "window" on the Remote Control and the sensor area on the television with a soft cloth. If either the transmission window or the sensor area becomes dirty or scratched, or if there are any obstructions between the Remote Control and the television, correct remote control operation may not be possible.
5. Remote control operation will not be possible if the sensor on the television set is exposed to direct sunlight, or other strong lighting. If this occurs, change the direction of either the lighting or move the television.

Location of Controls

Each control is numbered for easy item reference within the manual.

Front



ON SCREEN DISPLAY
- Channel number (AIR or CABLE)
- Video input mode
- MEMORY mode
- TIME
- SLEEP TIMER

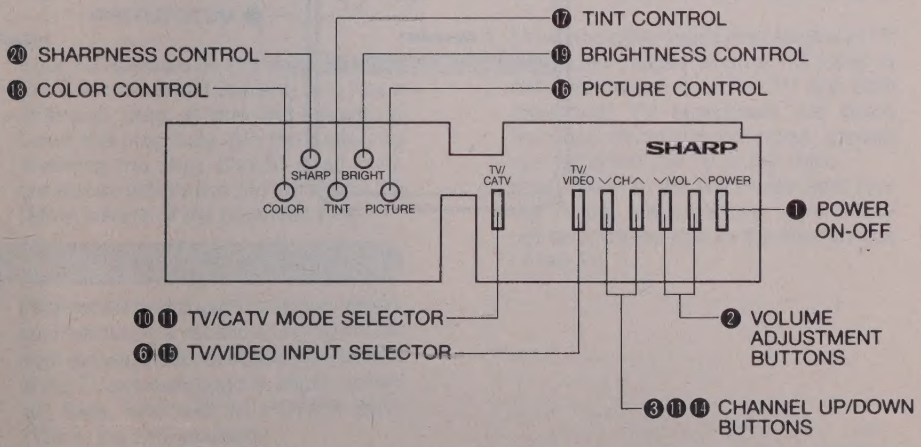
- FAVORITE CHANNEL list
- Volume level
- Mute

SENSOR AREA FOR REMOTE CONTROL

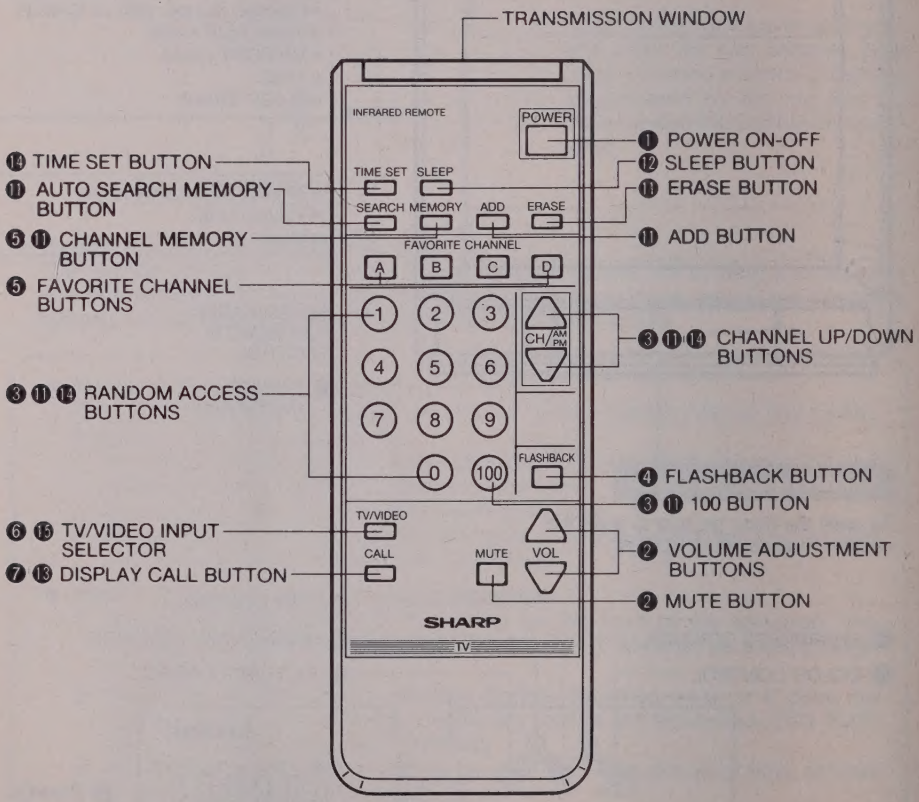
❶ POWER INDICATOR

Control Access Door

To open the door, be sure to push the position marked "PUSH OPEN".

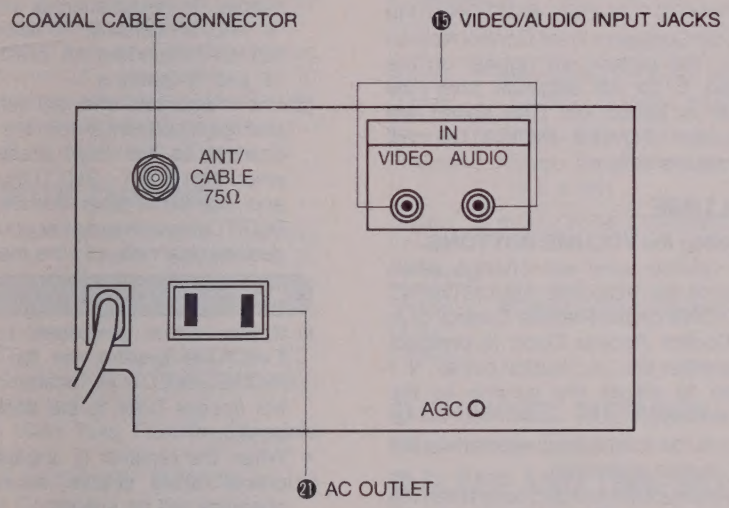


Infrared Remote Control



Terminal Board

(Located on the rear of the cabinet)



Power

Your TV operates on 120 Volts, 60 Hertz (normal household current) and has a polarized plug. If you are unable to insert the plug fully into the outlet, try reversing the plug. Should it fail to fit, contact an electrician. Do not defeat the safety feature of the polarized plug.

Note:

- If the set will not be used for a long period, such as during a vacation, unplug the set from the wall outlet to economize power. (If the TV set is plugged in, slight current still flows, even with the POWER BUTTON in the OFF position.)
- Lines and other noise may appear in TV broadcast images when a FM tuner or radio is located near the TV and both radio and TV broadcasts are being received. Should such noise appear, turn off either the TV or the radio.
- If you listen to the AM broadcasts, turn the TV off. AM broadcast signals may not be received due to the interference of the TV.

❶ TURNING THE POWER "ON AND OFF"

■ **Press the POWER BUTTON**

- Turn the power ON or OFF by pressing the POWER "ON-OFF" BUTTON on the Remote Control, or in the Control Access Door. The picture will appear on the screen 5 to 10 seconds after the power is turned on. (The sound will start and POWER INDICATOR will light up instantly.)

❷ VOLUME

■ **Adjusting the VOLUME BUTTONS**

- The volume level will change when either of the VOLUME ADJUSTMENT BUTTONS on the Remote Control, or in the Control Access Door, is pressed. Press either the " Λ " button or the " V " button to adjust the volume to the desired level.
- The volume level will increase when the " Λ " button is pressed.
- The volume level will decrease when the " V " button is pressed.

■ **To "cut" the TV sound temporarily**

- Press the MUTE BUTTON on the Remote Control to cut the TV sound temporarily.
- The sound will be resumed at the original volume level when the MUTE BUTTON is pressed again, or a volume button is pressed.

❸ CHANNEL SELECTION

- The desired channel can be selected instantly by pressing the RANDOM ACCESS BUTTONS (0 through 9) or 100 BUTTON on the Remote Control, or CHANNEL UP (Λ)/DOWN (V) BUTTONS on the Remote Control or in the Control Access Door.
- Press to select cable channel numbers greater than "99". First press "100" BUTTON on the Remote Control; then the two other numbers buttons to complete your total channel number selection.
- The selected channel number will appear on the screen.

Example:

(1) To select channel 2: press the "0" and "2" buttons. To select channel 69: press the "6" and "9" buttons. To select channel 139 (CATV mode only): press the "100", "3" and "9" buttons.

(2) The memorized channel selection will change in sequence from the low preset channel to the high preset channel when the UP (Λ) BUTTON is pressed, and vice versa when the DOWN (V) BUTTON is pressed after you preset the desired channels into the memory.

Note:

- If your set is connected to a Cable TV(CATV) system, set the TV/CATV MODE SELECTOR, located in the Control Access Door, to the desired CATV position.
- When the receiver is unplugged, or a power failure occurs, all memorized channels will be erased.
- For presetting the channels, please refer to page ⑪.

❹ FLASHBACK

- By pressing the FLASHBACK BUTTON on the Remote Control, the channel previously viewed can be instantly recalled. This is also true in reverse by activating the button again.
- For example, a single push of this button will automatically change from ch. 10 (now viewing channel) to ch.20 (previously viewed channel), and a second push will return from ch. 20 to ch. 10.

❺ FAVORITE CHANNEL

- If you have your favorite channels memorized in the 4 positions A-D, channels can be directly selected just by pressing the A-D buttons on the Remote Control instead of the more roundabout method of using the RANDOM ACCESS BUTTONS or the CHANNEL UP/DOWN BUTTONS.

■ **How to Have Your Favorite Channels Memorized**

(1) Press the MEMORY BUTTON on the Remote Control.
("MEMORY" appears on the screen).
(2) Select the channel you wish to have memorized.
(3) On the Remote Control, press the position key A-D for the channel you wish to have memorized. As the selected channel is memorized, the memory mode automatically turns off. ("MEMORY" disappears.).
(4) Repeat the steps (1) through (3) to have other favorite channels memorized in A-D positions.

- Repeat above steps (1) through (3) to change your favorite channel number.

❻ TV/VIDEO SELECTION

- Selection between television reception and external video equipment input can be done by using the TV/VIDEO INPUT SELECTOR.
- For connection method, please refer to page ⑬.

❼ POSITIONING CALL

- Pressing the DISPLAY CALL BUTTON on the Remote Control will change the display on the screen in the following sequence.

	Display
Press Once	•Receiving Channel (AIR or CABLE) or Video Mode
Press Twice	•Present Time (if it is set) •Sleep Timer's remaining time (if it is set)
Press Three Times	•FAVORITE CHANNEL list
Press Four Times	•Display will disappear

❽ CHANNEL MEMORY

Please refer to page ⑪.

❾ SLEEP AND TIME SET

Please refer to page ⑫.

■ **Cable TV (CATV) Operation**

This TV will receive the following TV signals:

1. TV: Off the air TV signals.
2. STD: Standard Cable TV signals.
3. HRC: Harmonic Related Carrier Cable TV signals.
4. IRC: Incremental Related Carrier Cable TV signals.
   IRC is also called ICC (Incremental Coherent Carrier).

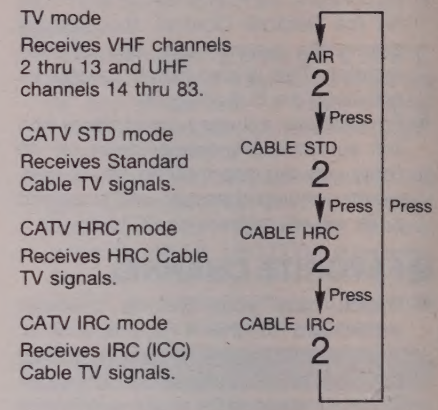
Receivable channels of your TV set are:
TV channels —
VHF; 2 through 13,
UHF; 14 through 83.
CATV channels —
1 (HRC and IRC mode only)
2 through 139 (number on this TV)

For each of these systems, exact frequencies are built in your TV set to ensure precise tuning. For precise tuning, your TV/CATV MODE SELECTOR must be set to match to your TV signal. The chart on the page ⑰ shows channels available in each system. When you connect your TV to a cable TV system and if you are not sure what system they are using, proceed with the following section "HOW TO FIND YOUR TYPE OF CABLE SYSTEM" or consult with your local cable company to check if your system is STD, HRC or IRC.

⑩ TV/CATV MODE SELECTOR

After turning the TV set on, press the TV/CATV MODE SELECTOR in the Control Access Door. "AIR", "CABLE STD", "CABLE HRC" or "CABLE IRC" will be displayed on the TV screen.
Each time you press the button, the display will change in the following order.
Select the mode that matches your TV signal system.

(Example)



Note:

- There are some systems that utilize or require converters, traps or other auxiliary hardware. Due to the wide variety of possibilities, consult your local dealer or cable company for installation instructions.

■ **HOW TO FIND YOUR TYPE OF CABLE SYSTEM**

(1) Press the TV/CATV MODE SELECTOR to obtain the "STD" mode.
(2) Select various channels and confirm whether the channels will lock immediately with perfect picture. If the channels will not lock in, or take a few seconds to lock in, your cable system may be one of the other cable systems. In this case, continue with the following steps.
(3) Press the TV/CATV MODE SELECTOR to obtain the "HRC" mode and try above procedure again.
(4) If you are having a problem with only channel 5 or 6, you may have an IRC system so change the mode to "IRC".

⑪ PRESETTING THE CHANNELS

■ **Operate the channel presetting controls to preset the desired channels.**
First follow the instructions for auto channel presetting and then add or erase individual channels as desired.

(1) Set TV/CATV MODE SELECTOR, located in the Control Access Door, to the desired mode. (Refer to page ⑩)
For VHF/UHF antenna → TV mode.
For Cable TV → STD, HRC or IRC mode.

(2) Press the AUTO SEARCH MEMORY BUTTON on the Remote Control. The tuner will automatically cycle through available channels in your area and preset them into the memory. If all available channels are of reasonable signal strength and you prefer not to add or erase any channels from memory, presetting is completed.

■ **To add weak or additional channels**

(1) Press the MEMORY BUTTON.
(MEMORY display will appear on the screen.)

(2) Use either the CHANNEL UP/DOWN BUTTONS or the RANDOM ACCESS BUTTONS or 100 BUTTON to select the desired channel. The selected channel number will appear on the screen.

(3) Press the ADD BUTTON. The selected channel will be preset into the memory.

If additional channels are to be preset, repeat steps (2) and (3).

(4) Press the MEMORY BUTTON again.
(MEMORY display will disappear.)

■ **To erase unwanted channels.**
Press the MEMORY BUTTON (MEMORY display will appear on the screen). Select the channel to be erased, and then press the ERASE BUTTON. Repeat this procedure for all the channels you wish to erase. (Do not press the MEMORY BUTTON again). When finished, press the MEMORY BUTTON again. (MEMORY will disappear.)
Press the CHANNEL UP/DOWN BUTTONS to make sure the channel presetting is made as desired.

Note

- After presetting is completed, pressing the AUTO SEARCH MEMORY BUTTON will again start the presetting procedure and weak or additional channels will have to be reset.

⑫ SLEEP TIMER

- Pressing the SLEEP BUTTON on the Remote Control automatically turns off the TV set a predetermined time. Programmable time can be preset for 30, 60, 90 or 120 minutes by pressing the SLEEP BUTTON once, twice, 3 or 4 times respectively. (Pressing 5 times returns the set to the initial state with the SLEEP TIMER unset.)
- Each time the BUTTON is pressed, the preset TIMER time is also displayed on the TV screen. The displayed time automatically disappears in about 2 seconds, but can be reviewed by pressing the DISPLAY CALL BUTTON.
- The TIMER can be reset during TIMER operation. When, for example, the TIMER preset for 60 minutes has elapsed 50 minutes, the remaining 10 minutes can be reset to 30 minutes by pressing the SLEEP BUTTON once.

Example:

1) First push of the SLEEP BUTTON
   30 REMAIN
2) Second push.
   60 REMAIN
3) Third push.
   90 REMAIN
4) Fourth push.
   120 REMAIN
5) Fifth push cancels the SLEEP TIMER
   ———REMAIN

⑬ TIME DISPLAY

- This television displays the current time of day when watching a program.
- The current time display will appear on the screen by pressing the DISPLAY CALL BUTTON.

- "AM——:——" will be displayed on the screen when the TV set becomes unplugged, or when power failure occurs, after power is restored.

⑭ SETTING THE CORRECT TIME

(1) Display the time display mode on the screen by pressing the DISPLAY CALL BUTTON on the Remote Control.
(2) Press the TIME SET BUTTON on the Remote Control.
(3) Set the AM or PM by pressing CHANNEL UP/DOWN BUTTONS. Whenever CHANNEL UP/DOWN BUTTONS are pressed, PM→AM→back to PM will be indicated on the screen in that order.
(4) Press the RANDOM ACCESS BUTTONS (0 through 9) on the Remote Control in order to set the correct time (hours and minutes).
(5) Press the TIME SET BUTTON again. And clock starts keeping time.

(Example)
Press the following buttons to set the time to "PM 10:15".

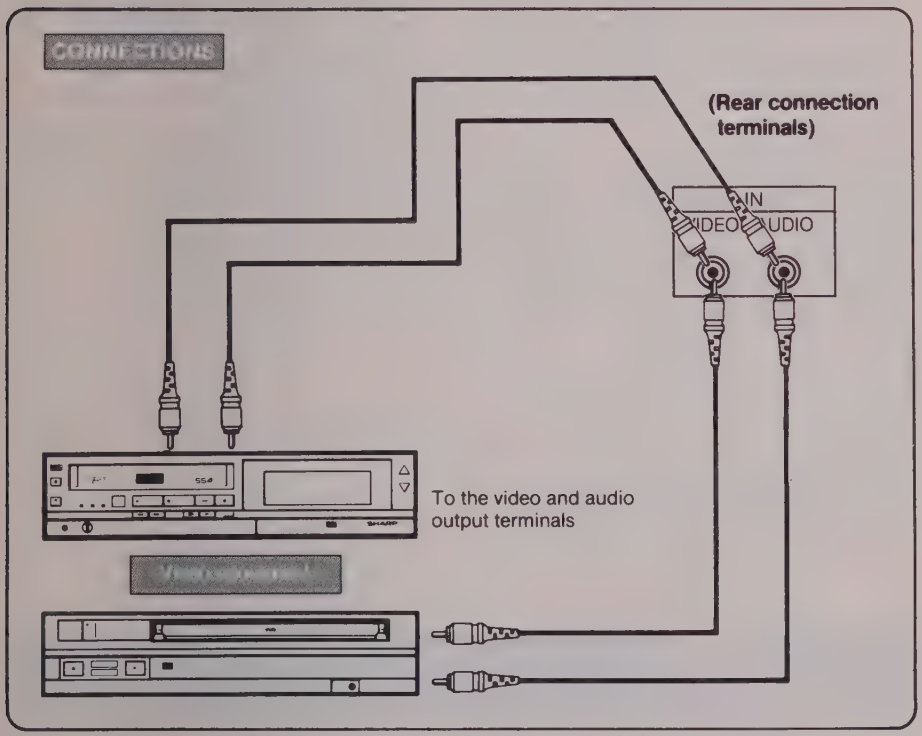
Button	Display
TIME SET	AM :
CH ∧ or ∨	PM :
1	PM : 1
0	PM : 10
1	PM 1 01
5	PM 10 : 15
TIME SET	PM 10 : 15

Flashing colon

⑮ USING THE VIDEO AND AUDIO INPUT JACKS

■ **Connecting video equipment for play back of video material.**

- When the television is connected to video equipment as shown below, the material being played back on the video equipment can be seen on the television screen.



- **To watch video material play back**

(1) Set the TV/VIDEO INPUT SELECTOR on the Remote Control, or inside the Control Access Door, to put the set in the external video input mode.
(2) Begin playback of the video equipment.

Note

- When connecting video or audio equipment to the television, be sure that the power is turned off in order to prevent damage to either the television or the equipment being connected.
- It is the intent of SHARP that this product be used in full compliance with the copyright law of the United States and that prior permission be obtained from copyright owners whenever necessary.
- For detailed information on the connection and use of auxiliary equipment, refer to the instruction manuals of the equipment being used.
- The connection cords with phono plug can be obtained from your local video store.

Operation of Sub Controls

⑯ PICTURE CONTROL

Correct BRIGHTNESS and PICTURE CONTROL settings are very important for good color reproduction. Turn the PICTURE CONTROL to the right to increase contrast in the picture and to the left to decrease it. The PICTURE CONTROL will adjust the brightness, contrast and color intensity simultaneously in the proper ratio.

⑰ TINT CONTROL

Adjust the TINT CONTROL for natural facial tones.
If facial tones are too green, turn the TINT CONTROL to the left.
If facial tones are too purple, turn the TINT CONTROL to the right.

⑱ COLOR CONTROL

Turn the COLOR CONTROL to adjust the color level.
If color appears "pale" and weak, turn the COLOR CONTROL to the right.
If color appears "flushed" and too brilliant, turn the COLOR CONTROL to the left.

⑲ BRIGHTNESS CONTROL

Turn the BRIGHTNESS CONTROL for desired brightness of the dark areas of the picture.
Locating the knob at "click-in" position gives you a medium brightness level.

⑳ SHARPNESS CONTROL

Turn the SHARPNESS CONTROL for desired picture sharpness. Turn the SHARPNESS CONTROL to the right to increase the picture sharpness, or to the left to decrease the sharpness.

AC OUTLET

㉑ AC OUTLET

Supplies power to the CATV Converter, VCR or other audio components.

Note:

- Current up to 300W (1.6A) can be safely available from the AC OUTLET. Check the power rating for each connected component and make sure the power requirement does not exceed this level.
- Connection of an air conditioner, space heater, vacuum cleaner or other applicance using an electrical motor, to this outlet, may result in unwanted signal noise.

Before Calling for Service

Check these items and see if you can correct the trouble with a slight adjustment of the controls.

QUICK SERVICE CHECK LIST / TROUBLE / Possible Remedy	No Playback of VCR and Disk Player	No Picture or Sound from External Video/Audio Products	Remote Control Doesn't Work	Bars On Screen	Picture Distorted	Picture Rolls Vertically	No Color	Poor Reception on Some Channels	Weak Picture	Lines or Streaks in Picture	Ghosts in Picture	Picture Blurred	Sound OK, Picture Poor	Picture OK, Sound Poor	No Picture or Sound
Try a new channel; if OK possible station trouble.					x	x	x	x	x	x	x	x	x	x	x
Is TV plugged in? Power in outlet?		x	x												x
Is TV POWER BUTTON on?		x													x
Is antenna connected to terminal on the back of the set?							x	x	x		x		x		x
If outside antenna is being used, check for broken wire.				x	x	x	x	x	x	x	x	x	x		x
Check for local interference.				x		x		x		x	x		x	x	
Turn off POWER BUTTON and then turn it on after about a minute.		x													x
Adjust COLOR control.							x								
Adjust PICTURE control.									x				x		
Check connection system. (Refer to page ⑬)	x	x													
Check for broken video/audio connection leads.	x	x													
Check for external Video/Audio products.	x	x													
Check battery of Remote Control.			x												x

Calling for Service

For your nearest SHARP Authorized Service Center.

Please call toll-free 800-447-4700

Memo

Cable TV (CATV) Channel Reference Chart

- This chart is provided for your convenience. Fill in the name or number of the actual station being provided by your CATV company on each CATV channel.

VHF

Select Channel Number	02	03	04	01*2	05	06	07	08	09	10	11	12	13
Actual TV Station*1													
Historical Reference				A-8	A-7	A-6							

Midband

Select Channel Number	95	96	97	98	99	14	15	16	17	18	19	20	21	22
Actual TV Station*1														
Historical Reference	A-5	A-4	A-3	A-2	A-1	A	B	C	D	E	F	G	H	I

Superband

Select Channel Number	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Actual TV Station*1														
Historical Reference	J	K	L	M	N	O	P	Q	R	S	T	U	V	W

Hyperband

Select Channel Number	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Actual TV Station*1														
Historical Reference	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN

	51	52	53	54	55	56	57	58	59	60	61	62	63	64
	OO	PP	QQ	RR	SS	TT	UU	VV	WW	XX	YY	ZZ	AAA	BBB

Ultraband

Select Channel Number	65	66	67	68	69	70	71	72	73	74	75	76	77	78
Actual TV Station*1														

	79	80	81	82	83	84	85	86	87	88	89	90	91	92

	93	94	100	101	102	103	104	105	106	107	108	109	110	111

	112	113	114	115	116	117	118	119	120	121	122	123	124	125

	126	127	128	129	130	131	132	133	134	135	136	137	138	139

*1 You may write in the actual station name or channel information supplied by your cable TV (CATV) company.

*2 A-8 is selected HRC and IRC only.

Memo

MP MASTER
MA30290

Limited Warranty

SHARP ELECTRONICS CORPORATION warrants to the first consumer purchaser, for a period of one year from the date of purchase, that this SHARP television (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof at no charge to the purchaser for parts or for labor in the purchaser's home for the period set forth above. This warranty continues for an additional year, for a total of two years, with respect to the picture tube and an additional six years, for a total of seven years, with respect to the electronic varactor tuner contained in the Product for parts only; labor and service are not provided free of charge for these additional periods.

This warranty does not apply to any appearance items of the Product nor to any Product the exterior of which has been damaged or defaced, which has been subjected to misuse, abnormal service or handling, or which has been altered or modified in design or construction.

In order to enforce the rights under this limited warranty, the purchaser should notify, and provide proof of purchase to an authorized SHARP Service Dealer or Center. To find out the location of the nearest authorized SHARP Service Dealer or Center call SHARP toll-free at 800-447-4700.

The limited warranty described above is in addition to whatever implied warranties may be granted to purchaser by law. To the extend permitted by applicable law, ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO A PERIOD OF ONE YEAR FROM THE DATE OF PURCHASE SET FORTH ABOVE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described above, or to extend the duration of any warranties beyond the time period described above on behalf of SHARP.

The warranties described above shall be the sole and exclusive warranties granted by SHARP and shall be the sole and exclusive remedy available to the purchaser.
Correction of defects, in the manner and for the periods of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of SHARP to the purchase with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall SHARP be liable, or in any way responsible, for any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than an authorized SHARP Service Dealer or Center. Nor shall SHARP be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

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